

ABSTRACT

The aim of this invention is to propose a manufacturing process for a transponder in the form of a card or a label able to resist to flexions or twisting without interrupting the connections of the electronic components.

This aim is reached by an assembly process of at least one electronic component (1) including sensibly flat conductive areas (3) that are connected to conductive tracks (6) placed on the surface of a generally flat insulating support called a substrate (5) characterized by the following steps:

- placing the substrate (5) on a work surface, the face including conductive tracks (6) being oriented upwards,
- placing the electronic component (1) into a cavity (7) of the substrate (5) situated in a zone including the conductive tracks (6), the conductive areas (3) of the component (1) coming into contact with the corresponding tracks (6) of the substrate (5),
- applying a layer of insulating material (8) which extends at the same time on the component (1) and at least on a substrate zone surrounding said component (1), in such a way that the electric connection between the conductive areas (3) and conductive tracks (6) is ensured by the pressure of the insulating layer (8) on the component (1).

Figure 3